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ABSTRACT

This book contains papers that identify and clarify techniques and pedagogical approaches for using the history of mathematics in teaching. The chapters are separated into two sections, one containing 8 chapters about secondary school mathematics and the other containing 15 chapters on higher mathematics. The first section discusses topics such as algorithms, analogies, logarithms, trigonometry, conic sections, and mathematical modeling. The second section contains papers about functions, calculus, heuristic reasoning, series, infinite numbers, abstract algebra, vectors, group theory, ring theory, applied mathematics, and a course in mathematics history. (MKR)



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